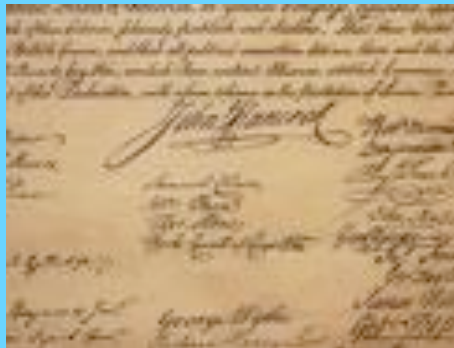


National Educational Computing Conference 2009 - Washington, DC.







Keynote: Malcolm Gladwell



Journalist: *Washington Post* & *The New Yorker*. Author of “pop economics” books:

The tipping point - 2000

Blink - 2005

Outliers: the story of success - 2008



- *The tipping point* – How ideas & behaviour reach critical mass
- *Blink* – What happens in the first 2 seconds we encounter something; the power of intuition & snap judgements
- *Outliers* – Many different people & circumstances contribute to a person's success



10 000 hour rule

- The key to success in any field is a matter of practising a specific task for 10 000 hrs
- That's 4 hours per day, 5 days pw for 10 years

(From *Outliers*)



Capitalisation Learning Strategy vs Compensation Learning Strategy

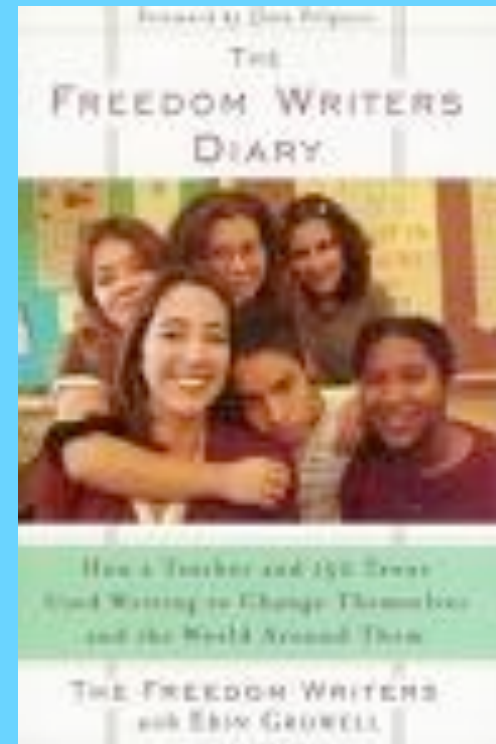
- The latter is very powerful
- Effective learning means overcoming obstacles eg. Richard Branson; large class sizes in Japan
- How can we create constructive disadvantages in learning environments?
- Experimentation, non linear learning & timely feedback are all important

(Gladwell, NECC 2009)



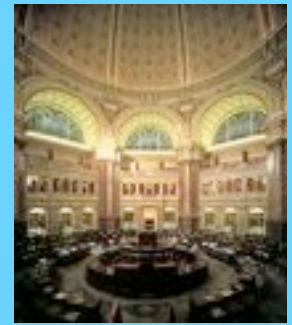
Closing keynote: Erin Gruwell

- *The Freedom Writers' Diary: how a teacher & 150 teens used writing to change themselves & the world around them* (1999)
- Film starring Hilary Swank: *The Freedom Writers* (2007)
- *Teach with your heart: lessons I learned from the Freedom Writers* (2007)
- **Freedom Writers**





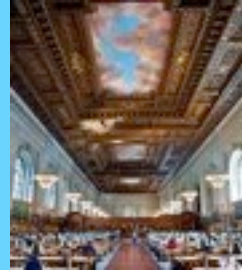
Library of Congress



- World's largest library
- Established by Congress in 1800
- Oldest federal institution in US
- Previously housed in Capitol building but destroyed by British in 1814
- Thomas Jefferson offered his personal library as replacement (and gets \$23 950 for 6487 books)
- Thomas Jefferson Building opened 1897



New York Public Library



- 1901 - Steel baron Andrew Carnegie funded construction of branch libraries throughout the city
- Main building opened 1911 - corner of Fifth Ave & 42nd St Manhattan



Cheaper books - yay?

- Productivity Commission recommendation to repeal parallel import restrictions on books (July 2009)
- Book prices to fall
- 3 years to implement
- More author subsidies
- Tim Winton very opposed to free importing



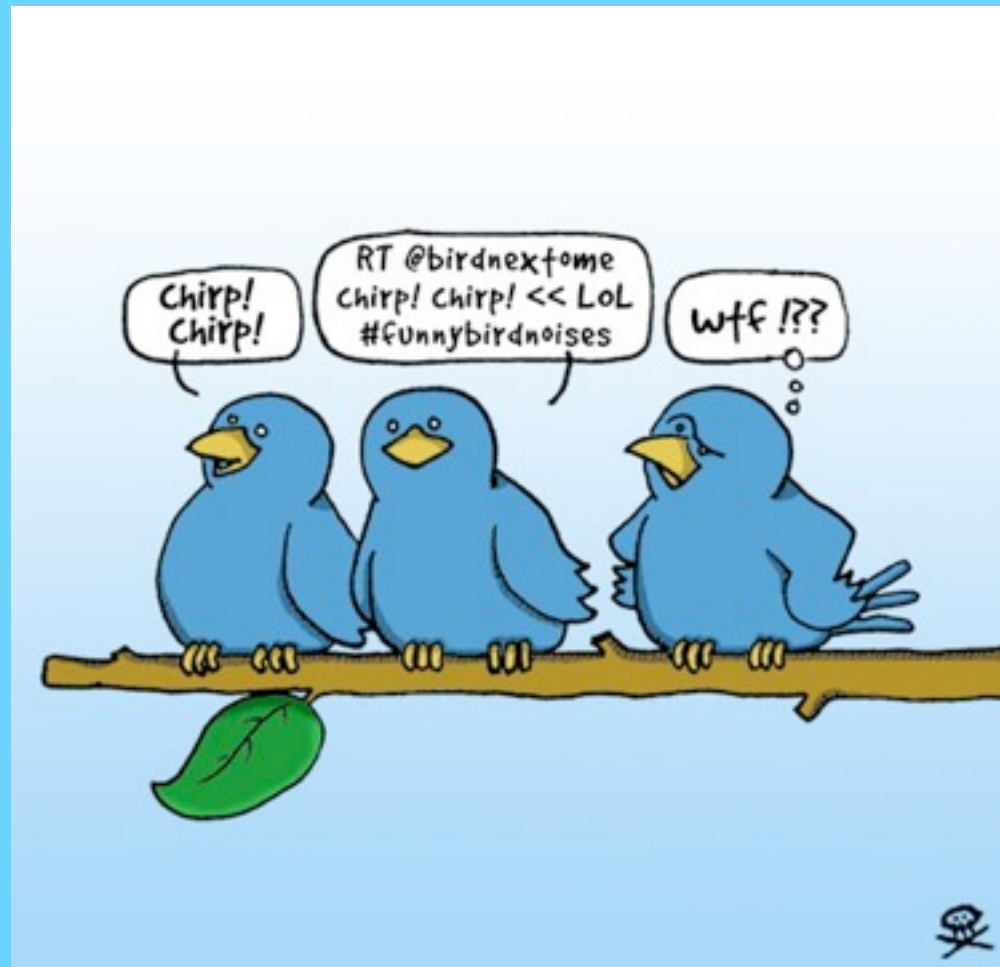


The Twitterverse



- Microblogging - 140 characters or less!
- Tweet early tweet often?
- Your own personal learning network
- #Hashtags group subjects together
- Many apps - Twitpic, Twitterfeed, Tweetdeck, Twitterholic....





The fastest growing computer
platform is ??



An Apple a day...

<http://store.apple.com/au>

- Apple App Store – for iPod Touch & iPhone
- 65 000 apps and rising
- 1.5 billion apps downloaded (in 12 months)
- iTunes – download music, movies, TV shows, audiobooks, podcasts, games & apps....



A powerful mobile computer!

- Fastest growing computer platform
- Replace laptops with iPod Touches and get geeks to make the apps you want (Christopher Harris at NECTC 2009)
- Wireless connection
- E-books; textbooks
- iTunesU & iTunes K-12





Finger is king!



- Multitouch technology increasingly popular
- Giant glass trackpads (MacBook Pro)
- Touchscreen technology for Windows Vista
- Keyboards & mice becoming superceded
- Practise your single finger flick, 2 finger pinch, 2 finger scroll, 3 finger swish, 3 finger crumple, 4 finger swipe & the 10 finger finale!!





Digital libraries

- Irreversible transition of the book as we know it
- Google Book Search - world's books, magazines, journals in digital format
- Copyrighted books - Google agreement with authors & publishers to be finalized in 2009
- Portable book readers - iPhone, iPod Touch, Android phones...





Virginia
all 50
lucati
ks!



Google is digitizing these -
the first instance of a uni education library to do so!



Digital Australia



- Government 2.0 Taskforce - using Web 2.0 tools to consult & collaborate with the public

<http://gov2.net.au/>

Digital radio - now in Sydney, Melbourne, Brisbane, Adelaide &



Digital TV



- ABC3 - to be launched by end of 2009
- Aimed at 6-15yr olds
- Range of genres - drama, comedies,

NBN - National Broadband Network

- Rollout has begun in Tasmania
- CEO appointed - Mike Quigley



Interesting sites

- SlowTV - A free internet TV channel delivering interviews, debates, conversations and public lectures about Australia's key political, social and cultural issues
- YouTube.edu and Academic Earth - Educational videos from many US unis



The Wayback Machine

- Located at the Internet Archive - an archive of internet sites since 1996 - billions!
- Use the Wayback Machine to trace their history or to find a lost link
- <http://www.archive.org/index.php>



Ted Talks

- Rivetting talks by remarkable people - free
<http://www.ted.com/talks>
- Ideas worth spreading!
- View on the website & also YouTube





Insights - NECC 2009

- Jamie McKenzie: The poverty of abundance - students wander, ponder, flounder (as well as formal constructs eg hypothesise, synthesise etc).
- Ian Jukes & Lee Crockett: Students were consumers of traditional content, but now they are producers of content ie they are “**prosumers**”. Students need 21st century **fluencies** (unconscious skills) - technological, media & information fluencies. Give students **problems first** & teaching second.



Insights NECC 2009

- Alan November: The future - cell phones with web / library access; online courses used in classrooms; open source knowledge exams with access to all of web; ask students to research ways of finding out about difficult concepts.
- How does the curriculum encourage students to think globally & see a different point of view?
- What skills can we teach today that will outlast the